

GENERAL SERVICES ADMINISTRATION

Federal Acquisition Service

Authorized Federal Supply Schedule Catalog/Price List

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage!™, a menu-driven database system. The INTERNET address for GSA Advantage!™ is: <http://www.GSAAdvantage.gov>.

MAS - Security and Protection Category

Contractor has been awarded under the cooperative purchasing and disaster recovery programs. All awarded SINs are available to state and local government entities.

SIN 334512 Total Solution Support Products for Facilities Management Systems

SIN 334290 Security and Detection Systems

SIN 541330L Security System Integration, Design, Management, and Life Cycle Support

SIN OLM Order-Level Materials (OLMs)



KBRwyle Technology Solutions, LLC

7000 Columbia Gateway Drive

Columbia, Maryland 21046

Phone Number: 410-964-7195

Fax Number: 843-744-1071

<https://kbr.com/en/markets>

Contract Number: 47QSWA19D006J

Period Covered by Contract: April 24, 2019 through April 23, 2024

Business Size: Other than Small Business

Contract Administrator: Laura Chillura

Phone: 843-231-1638

Email: laura.chillura@us.kbr.com

Pricelist current through Modification # A826, effective February 3, 2021

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CUSTOMER INFORMATION**1a. Table of Awarded Special Item Number(s):**

SIN	DESCRIPTION
334512	Total Solution Support Products for Facilities Management Systems
541330L	Security System Integration, Design, Management, and Life Cycle Support
334290	Security and Detection Systems
OLM	Order-Level Materials (OLM)

1b. Lowest Priced Model Number and Price for Each SIN: Not applicable.**1c. Hourly Rates:** See pages 5 through 8.**2. Maximum Order:** \$250,000.

*Ordering activities may request a price reduction at any time before placing an order, establishing a BPA, or in conjunction with the annual BPA review. However, the ordering activity shall seek a price reduction when the order or BPA exceeds the simplified acquisition threshold. Schedule contractors are not required to pass on to all schedule users a price reduction extended only to an individual ordering activity for a specific order or BPA.

3. Minimum Order: \$50**4. Geographic Coverage (Delivery Area):** Domestic and overseas delivery.**5. Point(s) of Production (city, county, and state or foreign country):** USA.**6. Discounts from List Prices or Statement of Net Price:** GSA Net Prices are shown on the attached GSA Price List. Negotiated discount has been deducted and the IFF has been included.**7. Quantity/Volume Discounts:** None.**8. Prompt Payment Terms:** Net 30 Days**9a. Government Purchase Cards must be accepted at or below the micro-purchase threshold.****9b. Government Purchase Cards are accepted above the micro-purchase threshold.****10. Foreign Items:** None.**11a. Time of Delivery:** 30 days after receipt of order.**11b. Expedited Delivery:** Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.**11c. Overnight and 2-Day Delivery:** Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.**11d. Urgent Requirements:** Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.

- 12. **F.O.B Point(s):** Destination
- 13a. **Ordering Address:** 7000 Columbia Gateway Dr. Columbia, MD 21046
- 13b. **Ordering Procedures:** Ordering activities shall use the ordering procedures described in Federal Acquisition Regulation 8.405-3 when placing an order or establishing a BPA for supplies or services. The ordering procedures, information on Blanket Purchase Agreements (BPA's) and a sample BPA can be found at the GSA/FSS Schedule Homepage (fss.gsa.gov/schedules).
- 14. **Payment Address:** 7000 Columbia Gateway Dr. Columbia, MD 21046
- 15. **Warranty Provision:** Not applicable.
- 16. **Export Packing Charges:** Not applicable.
- 17. **Terms and conditions of Government purchase card acceptance:** Accepted.
- 18. **Terms and conditions of rental, maintenance, and repair:** Not applicable.
- 19. **Terms and conditions of installation:** Not applicable.
- 20. **Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices:** Not applicable.
- 20a. **Terms and conditions for any other services:** Not applicable.
- 21. **List of Service and Distribution Points:** Not applicable.
- 22. **List of Participating Dealers:** Not applicable.
- 23. **Preventive Maintenance:** Not applicable.
- 24a. **Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants:** Not applicable.
- 24b. **Section 508 Compliance:** As applicable.
- 25. **Data Universal Numbering System (DUNS) Number:** 041014242
- 26. **System for Award Management (SAM):** KBRwyle Technology Solutions, LLC is registered in SAM.

LABOR CATEGORY PRICING

The rates shown below include the Industrial Funding Fee (IFF) of 0.75%.

SIN	Labor Category	4/24/19 - 4/23/20	4/24/20 - 4/23/21	4/24/21 - 4/23/22	4/24/22 - 4/23/23	4/24/23 - 4/23/24
334290	Drafter 1	\$55.13	\$56.78	\$58.48	\$60.24	\$62.05
334290	Drafter 2	\$61.70	\$63.55	\$65.46	\$67.42	\$69.44
334290	Drafter 3	\$68.78	\$70.84	\$72.97	\$75.16	\$77.41
334290	Drafter 4	\$84.64	\$87.18	\$89.79	\$92.49	\$95.26
334290	Drafter 5	\$88.87	\$91.54	\$94.28	\$97.11	\$100.02
334290	Electronics Tech Maintenance 1	\$74.90	\$77.15	\$79.46	\$81.84	\$84.30
334290	Electronics Tech Maintenance 2	\$86.74	\$89.34	\$92.02	\$94.78	\$97.62
334290	Electronics Tech Maintenance 3	\$91.38	\$94.12	\$96.94	\$99.85	\$102.85
541330L 334512	Engineer 1	\$107.00	\$110.21	\$113.52	\$116.92	\$120.43
541330L 334512	Engineer 2	\$129.00	\$132.87	\$136.86	\$140.96	\$145.19
541330L 334512	Engineer 3	\$164.00	\$168.92	\$173.99	\$179.21	\$184.58
541330L 334512	Engineer 4	\$185.00	\$190.55	\$196.27	\$202.15	\$208.22
541330L 334512	Engineer 5	\$194.25	\$200.08	\$206.08	\$212.26	\$218.63
334512	Engineer 6	\$203.96	\$210.08	\$216.38	\$222.88	\$229.56
334290	Field Engineering Technician 1	\$71.11	\$73.25	\$75.44	\$77.71	\$80.04
334290	Field Engineering Technician 2	\$79.79	\$82.19	\$84.65	\$87.19	\$89.81
334290	Field Engineering Technician 3	\$89.33	\$92.01	\$94.77	\$97.61	\$100.54
334290	Field Engineering Technician 4	\$110.58	\$113.90	\$117.32	\$120.84	\$124.46
541330L 334512	IT/ISS 1	\$97.85	\$100.79	\$103.81	\$106.92	\$110.13
541330L 334512	IT/ISS 2	\$103.00	\$106.09	\$109.27	\$112.55	\$115.93
541330L 334512	IT/ISS 3	\$129.00	\$132.87	\$136.86	\$140.96	\$145.19
541330L 334512	IT/ISS 4	\$170.00	\$175.10	\$180.35	\$185.76	\$191.34
541330L 334512	IT/ISS 5	\$188.00	\$193.64	\$199.45	\$205.43	\$211.60
541330L 334512	IT/ISS 6	\$197.40	\$203.32	\$209.42	\$215.70	\$222.18

SIN	Labor Category	4/24/19 - 4/23/20	4/24/20 - 4/23/21	4/24/21 - 4/23/22	4/24/22 - 4/23/23	4/24/23 - 4/23/24
334290	Logistics Supply Clerk 1	\$85.75	\$88.33	\$90.98	\$93.71	\$96.52
334290	Logistics Supply Clerk 2	\$90.05	\$92.75	\$95.53	\$98.40	\$101.35
334290	Logistics Supply Clerk 3	\$94.54	\$97.38	\$100.30	\$103.31	\$106.41
541330L 334512	Manager 1	\$156.42	\$161.11	\$165.95	\$170.92	\$176.05
541330L 334512	Manager 2	\$164.65	\$169.59	\$174.68	\$179.92	\$185.32
541330L 334512	Manager 3	\$173.32	\$178.52	\$183.88	\$189.39	\$195.07
541330L 334512	Manager 4	\$182.44	\$187.91	\$193.55	\$199.36	\$205.34
541330L 334512	Subject Matter Expert 1	\$164.86	\$169.81	\$174.90	\$180.15	\$185.55
541330L 334512	Subject Matter Expert 2	\$173.54	\$178.75	\$184.11	\$189.63	\$195.32
541330L 334512	Subject Matter Expert 3	\$182.67	\$188.15	\$193.79	\$199.61	\$205.60
541330L 334512	Subject Matter Expert 4	\$191.80	\$197.55	\$203.48	\$209.59	\$215.87
541330L 334512	Subject Matter Expert 5	\$201.39	\$207.43	\$213.65	\$220.06	\$226.67
541330L 334512	Support 1	\$116.00	\$119.48	\$123.06	\$126.76	\$130.56
541330L 334512	Support 2	\$138.00	\$142.14	\$146.40	\$150.80	\$155.32
541330L 334512	Support 3	\$167.00	\$172.01	\$177.17	\$182.49	\$187.96
541330L 334512	Support 4	\$206.00	\$212.18	\$218.55	\$225.10	\$231.85
541330L 334512	Support 5	\$216.30	\$222.79	\$229.47	\$236.36	\$243.45
541330L 334512	Training Specialist 1	\$72.44	\$74.61	\$76.85	\$79.16	\$81.53
541330L 334512	Training Specialist 2	\$76.25	\$78.54	\$80.89	\$83.32	\$85.82
541330L 334512	Training Specialist 3	\$101.57	\$104.62	\$107.76	\$110.99	\$114.32
541330L 334512	Training Specialist 4	\$106.65	\$109.85	\$113.14	\$116.54	\$120.04

SIN	Labor Category	4/24/19 - 4/23/20	4/24/20 - 4/23/21	4/24/21 - 4/23/22	4/24/22 - 4/23/23	4/24/23 - 4/23/24
541330L 334512	Training Specialist 5	\$111.98	\$115.34	\$118.80	\$122.36	\$126.03
334290	Drafter 1	\$65.89	\$67.87	\$69.91	\$72.00	\$74.16
334290	Drafter 2	\$73.76	\$75.97	\$78.25	\$80.60	\$83.02
334290	Drafter 3	\$82.21	\$84.68	\$87.22	\$89.84	\$92.53
334290	Drafter 4	\$101.18	\$104.21	\$107.34	\$110.56	\$113.87
334290	Drafter 5	\$106.24	\$109.42	\$112.71	\$116.09	\$119.57
334290	Electronics Tech Maintenance 1	\$89.53	\$92.21	\$94.98	\$97.83	\$100.77
334290	Electronics Tech Maintenance 2	\$103.68	\$106.79	\$109.99	\$113.29	\$116.69
334290	Electronics Tech Maintenance 3	\$109.24	\$112.51	\$115.89	\$119.37	\$122.95
541330L 334512	Engineer 1	\$107.00	\$110.21	\$113.52	\$116.92	\$120.43
541330L 334512	Engineer 2	\$129.00	\$132.87	\$136.86	\$140.96	\$145.19
541330L 334512	Engineer 3	\$164.00	\$168.92	\$173.99	\$179.21	\$184.58
541330L 334512	Engineer 4	\$185.00	\$190.55	\$196.27	\$202.15	\$208.22
541330L 334512	Engineer 5	\$194.25	\$200.08	\$206.08	\$212.26	\$218.63
541330L 334512	Engineer 6	\$203.96	\$210.08	\$216.38	\$222.87	\$229.56
334290	Field Engineering Technician 1	\$85.01	\$87.56	\$90.18	\$92.89	\$95.68
334290	Field Engineering Technician 2	\$95.39	\$98.25	\$101.20	\$104.23	\$107.36
334290	Field Engineering Technician 3	\$106.78	\$109.98	\$113.28	\$116.68	\$120.18
334290	Field Engineering Technician 4	\$132.19	\$136.15	\$140.24	\$144.45	\$148.78
541330L 334512	IT/ISS 1	\$97.85	\$100.79	\$103.81	\$106.92	\$110.13
541330L	IT/ISS 2	\$103.00	\$106.09	\$109.27	\$112.55	\$115.93
541330L 334512	IT/ISS 3	\$129.00	\$132.87	\$136.86	\$140.96	\$145.19
541330L 334512	IT/ISS 4	\$170.00	\$175.10	\$180.35	\$185.76	\$191.34
541330L 334512	IT/ISS 5	\$188.00	\$193.64	\$199.45	\$205.43	\$211.60
541330L 334512	IT/ISS 6	\$197.40	\$203.32	\$209.42	\$215.70	\$222.18
334290	Logistics Supply Clerk 1	\$102.52	\$105.59	\$108.76	\$112.03	\$115.39
334290	Logistics Supply Clerk 2	\$107.64	\$110.87	\$114.20	\$117.62	\$121.15

SIN	Labor Category	4/24/19 - 4/23/20	4/24/20 - 4/23/21	4/24/21 - 4/23/22	4/24/22 - 4/23/23	4/24/23 - 4/23/24
334290	Logistics Supply Clerk 3	\$113.03	\$116.42	\$119.91	\$123.51	\$127.22
541330L 334512	Manager 2	\$181.12	\$186.55	\$192.15	\$197.91	\$203.85
541330L 334512	Manager 3	\$190.65	\$196.37	\$202.26	\$208.33	\$214.58
541330L 334512	Manager 4	\$200.68	\$206.70	\$212.90	\$219.29	\$225.87
541330L 334512	Subject Matter Expert 1	\$183.18	\$188.68	\$194.34	\$200.17	\$206.17
541330L 334512	Subject Matter Expert 2	\$192.82	\$198.60	\$204.56	\$210.70	\$217.02
541330L 334512	Subject Matter Expert 3	\$202.97	\$209.06	\$215.33	\$221.79	\$228.44
541330L 334512	Subject Matter Expert 4	\$213.12	\$219.51	\$226.10	\$232.88	\$239.87
541330L 334512	Subject Matter Expert 5	\$223.78	\$230.49	\$237.41	\$244.53	\$251.87
541330L 334512	Support 1	\$116.00	\$119.48	\$123.06	\$126.76	\$130.56
541330L 334512	Support 2	\$138.00	\$142.14	\$146.40	\$150.80	\$155.32
541330L 334512	Support 3	\$167.00	\$172.01	\$177.17	\$182.49	\$187.96
541330L 334512	Support 4	\$206.00	\$212.18	\$218.55	\$225.10	\$231.85
541330L 334512	Support 5	\$216.30	\$222.79	\$229.47	\$236.36	\$243.45
541330L 334512	Training Specialist 1	\$80.48	\$82.89	\$85.38	\$87.94	\$90.58
541330L 334512	Training Specialist 2	\$84.72	\$87.26	\$89.88	\$92.58	\$95.35
541330L 334512	Training Specialist 3	\$112.86	\$116.25	\$119.73	\$123.33	\$127.02
541330L 334512	Training Specialist 4	\$118.50	\$122.06	\$125.72	\$129.49	\$133.37
541330L 334512	Training Specialist 5	\$124.43	\$128.16	\$132.01	\$135.97	\$140.05

LABOR CATEGORY DESCRIPTIONS

MANAGER 4

Bachelor's degree and 10 years' experience or 18 years' experience in lieu of education.

Directs a major function, discipline or significant segment of a functional group or program relating to physical security services and solutions. Responsibilities may include planning, risk management, and project performance addressing cost, schedule, and technical quality for large system development task or full responsibility for all aspects of program performance on a large technical services or systems integration task.

MANAGER 3

Bachelor's degree and 8 years' experience or 16 years' experience in lieu of education.

Manages a program relating to physical security services and solutions by providing guidance based on goals, objectives, and customer requirements. Responsibilities may include planning, risk management, and project performance addressing cost, schedule, and technical quality for related Work Breakdown Structure (WBS) elements on a large system development-type task or full responsibility for all aspects of program/project performance on a large technical services type task.

MANAGER 2

Bachelor's degree and 5 years' experience or 13 years' experience in lieu of education.

Manages a segment of a program, project, or function relating to physical security services and solutions. The individual will be responsible for providing objective-oriented direction utilizing management guidelines and general policies. Responsibilities may include planning and program/project performance addressing cost, schedule, technical performance, and quality of a work package, subsystem, or related group of work packages on a large system development type task or full responsibility for all aspects of program/project performance on technical services-type task.

MANAGER 1

Bachelor's degree and 2 years' experience or 10 years' experience in lieu of education.

Responsible for daily operations of a team or work unit (direct supervision of the staff, assignment of work, schedules, day-to-day workflow, and operating costs) relating to physical security services and solutions. Responsibilities may include cost, schedule, and technical performance of a specific unit or work package on a large system development-type task or broad responsibility for all aspects of program/project performance on a small technical services type task.

ENGINEER 6

Master's degree and 13 years' experience or Bachelor's degree and 15 years' experience in lieu of education.

Responsible for planning, organizing, and directing engineering programs relating to physical security services and solutions. Defines and interprets strategic requirements and analyzes and provides guidance on strategic issues and complex problems. Develops and leads large projects including defining scope, objectives, and methods. Applies and/or develops highly advanced technologies, scientific principles, theories, and concepts. Resolve issues associated with the development and implementation of operational programs. Individual recognized as an expert in field, providing a major impact on program success and productivity.

ENGINEER 5

Master's degree and 11 years' experience or Bachelor's degree and 13 years' experience in lieu of education.

Possess in-depth knowledge of principles, concepts, and techniques appropriate to physical security services and solutions. Interprets requirements, performs highly complex analyses, and resolves complex problems. Develops advanced technological ideas and guides their development into a final product. The individual may act as advisor to customers on advanced technical research studies and applications. Individual provides leadership efforts, training, mentoring, and guidance. Individual may lead medium to large projects, including defining scope, objectives, and methods.

ENGINEER 4

Bachelor's degree and 8 years' experience in lieu of education.

Responsible for solving complex engineering problems relating to physical security services and solutions. Determines program objectives and requirements and develops standards and guides for diverse engineering and scientific activities. Guides the successful completion of major programs and may function in a project leadership role. Individual serves as the prime technical contact on contracts and projects. Individual will interact with customers on significant technical matters.

ENGINEER 3

Bachelor's degree and 5 years' experience in lieu of education.

Responsibilities require applications of diversified knowledge of engineering principles and practices, while developing new or improved techniques and procedures. Provide technical solutions to a wide range of requirements relating to physical security services and solutions. Individual contributes to the completion of specific programs and projects with frequent customer contact.

ENGINEER 2

Bachelor's degree and 2 years' experience in lieu of education.

Responsibilities require comprehensive knowledge of engineering principles to support complex research and engineering assignments relating to physical security services and solutions. Follows established procedures and contributes to the completion of milestones associated with specific projects.

ENGINEER 1

Bachelor's degree and 0 years experience.

Develop and recommend solutions to technical problems as assigned relating to physical security services and solutions. Work follows technical and process guidance and instructions, contributing to the completion of assigned technical tasks.

SUPPORT 5

Bachelor's degree and 10 years' experience or 18 years' experience in lieu of education. Duties may include activities related to program administration, safety, scheduling, logistics, contracts, and pricing. Demonstrates skill to analyze and develop innovative solutions to complex problems relating to physical security services and solutions. Develops advanced concepts, techniques, and standards; creates new applications based on professional principles and theories. Individual viewed as expert in field.

SUPPORT 4

Bachelor's degree and 8 years' experience or 16 years' experience in lieu of education.

Duties may include activities related to program administration, safety, scheduling, logistics, contracts, and pricing. Individual contributes to the development of new concepts, techniques, and standards relating to physical security services and solutions. Creates and identifies solutions to complex problems. Ensures solutions are consistent with program objectives. Individual acts as an advisor to customers and is considered an expert in the field within the program.

SUPPORT 3

Bachelor's degree and 5 years' experience or 13 years' experience in lieu of education.

Duties may include activities related to program administration, safety, scheduling, logistics, contracts and pricing. Complete understanding and application of principles, concepts, practices, and standards relating to physical security services and solutions. Full knowledge of industry practices. Demonstrates the skill to perform fairly complex professional tasks and develop solutions.

SUPPORT 2

Bachelor's degree and 2 years' experience or 10 years' experience in lieu of education.

Duties may include activities related to program administration, safety, scheduling, logistics, contracts and application of concepts and principles to support the physical security services and solutions. Demonstrates the skill and ability to perform moderately complex professional tasks, and develop solutions to a variety of problems of moderate scope and complexity.

SUPPORT 1

Bachelor's degree and 0 years experience or 8 years' experience in lieu of education.

Individual is an entry-level support person whose duties may include activities related to program administration, safety, scheduling, logistics, contracts and pricing. Job requires limited

use and/or application of basic principles, theories, and concepts and a general knowledge of industry practices and standards relating to physical security services and solutions.

Demonstrates the skill and ability to perform basic professional tasks, and solve routine problems of limited scope and complexity following established policies and procedures.

IT/ISS 6

Master's degree and 10 years' experience, Bachelor's degree and 12 years' experience or 20 years' experience in lieu of education.

Independently provides analysis, evaluation, and recommendations designed to promote economy, efficiency, and effectiveness relating to physical security services and solutions. Reviews and evaluates programs and operations to determine adherence to policies and procedures. Responsible for keeping management fully informed concerning problems and deficiencies and recommended corrective actions.

IT/ISS 5

Master's degree and 6 years' experience or Bachelor's degree and 8 years' experience or AA and 14 years' experience or 16 years' experience in lieu of education.

Responsible for the management, integration, and coordination of work groups engaged in related activities associated with the analysis, design, development, implementation, and maintenance of software systems relating to physical security services and solutions. Conducts network analysis, design and implementation. Provides support for computer systems, software, configuration control and computer and network security. Establishes objectives, work plans, schedules, and ensures resources are available for completion of projects and assignments. Oversees activities of subordinates to ensure a productive work environment and that objectives are completed in accordance with quality standards, time and budget constraints.

IT/ISS 4

Master's degree and 6 years' experience, or Bachelor's degree and 8 years' experience, or AA degree and 12 years' experience, or 16 years' experience in lieu of education.

Performs all support activities which can include: design, development, implementation, and maintenance of software systems and analysis, evaluation, and recommendations designed to promote economy, efficiency, and effectiveness in the customer's security program relating to physical security services and solutions. Possesses an understanding of the computer system internals, operating systems and layered products, specialized and vendor. Leads the installation and set-up of software. Generates project updates/documents. As a team leader: plans and organizes projects, directs multiple projects through the different phases, and manages project resources. Reviews and evaluates customer's programs and operations to determine adherence to policies and procedures. Keeps management fully informed concerning problems and deficiencies and recommends corrective actions.

IT/ISS 3

Bachelor's degree and 5 years' experience or 13 years' experience in lieu of education.

Performs all support activities which can include: design, development, implementation, and

maintenance of software systems and analysis, evaluation, and recommendations designed to promote economy, efficiency, and effectiveness in the customer's security program relating to physical security services and solutions. Possesses an understanding of the computer system internals, operating systems and layered products, specialized and vendor. Leads installation and set-up of software. Generates project updates/documents. As a team leader: plans and organizes projects, directs the project through the different phases, and provides task estimates. Reviews and evaluates customer's programs and operations to determine adherence to policies and procedures. Keeps management fully informed concerning problems and deficiencies and recommends corrective actions.

IT/ISS 2

Master's degree and 0 years experience or Bachelor's degree and 2 years' experience or AA degree and 6 years' experience or 10 years' experience in lieu of education.

Performs all support activities which can include: design, development, implementation, and maintenance of software systems and analysis, evaluation, and recommendations designed to promote economy, efficiency, and effectiveness in the customer's security program relating to physical security services and solutions. Possesses an understanding of the computer system internals, operating systems and layered products, specialized and vendor. Installs and sets up software. Generates project updates/documents. Reviews and evaluates customer's programs and operations to determine adherence to policies and procedures. Keeps management fully informed concerning problems and deficiencies and recommends corrective actions.

IT/ISS 1

Bachelor's degree and 0 years experience or AA degree and 4 years' experience or 8 years experience in lieu of education.

Performs all support activities which can include: design, development, implementation, and maintenance of software systems and analysis, evaluation, and recommendations designed to promote economy, efficiency, and effectiveness in the customer's security program relating to physical security services and solutions. Possesses an understanding of the computer system internals, operating systems and layered products, specialized and vendor. Reviews and evaluates customer's programs and operations to determine adherence to policies and procedures.

SUBJECT MATTER EXPERT 1

Bachelor's degree and 5 years' experience or 13 years' experience in lieu of education.

The individual will have an in-depth knowledge of the key technical areas and the support of those areas relating to physical security services and solutions. An extensive experience in studies and analysis in specified field, analysis of emerging and advanced trends in said field is required. Has experience in design review, the preparation of assessments, systems implementation plans, systems integrations, maintenance and support of systems, and system test and evaluation relating to physical security systems and solutions.

SUBJECT MATTER EXPERT 2

Bachelor's degree and 10 years' experience or 18 years' experience in lieu of education.

The individual will have an in-depth knowledge of the key technical areas and the support of those areas relating to physical security services and solutions. An extensive experience in studies and analysis in specified field, analysis of emerging and advanced trends in said field is required. Has experience in design review, the preparation of assessments, systems implementation plans, systems integrations, maintenance and support of systems, and system test and evaluation relating to physical security systems and solutions.

SUBJECT MATTER EXPERT 3

Bachelor's degree and 15 years' experience or 23 years' experience in lieu of education.

The individual will have an in-depth knowledge of the key technical areas and the support of those areas relating to physical security services and solutions. An extensive experience in studies and analysis in specified field, analysis of emerging and advanced trends in said field is required. Has experience in design review, the preparation of assessments, systems implementation plans, systems integrations, maintenance and support of systems, and system test and evaluation relating to physical security systems and solutions.

SUBJECT MATTER EXPERT 4

Bachelor's degree and 20 years' experience or 28 years' experience in lieu of education.

The individual will have an in-depth knowledge of the key technical areas and the support of those areas relating to physical security services and solutions. An extensive experience in studies and analysis in specified field, analysis of emerging and advanced trends in said field is required. Has experience in design review, the preparation of assessments, systems implementation plans, systems integrations, maintenance and support of systems, and system test and evaluation relating to physical security systems and solutions.

SUBJECT MATTER EXPERT 5

Bachelor's degree and 25 years of experience.

The individual will have an in-depth knowledge of the key technical areas and the support of those areas relating to physical security services and solutions. An extensive experience in studies and analysis in specified field, analysis of emerging and advanced trends in said field is required. Has experience in design review, the preparation of assessments, systems implementation plans, systems integrations, maintenance and support of systems, and system test and evaluation relating to physical security systems and solutions.

TRAINING SPECIALIST 1

Bachelor's degree with 2 years of experience or 10 years of experience in lieu of education Performs training needs analysis, planning, design/development, delivery, and evaluation for a variety of training services (such as instructor-based, on-the-job, self-study, Interactive Multimedia/Computer-based Training, etc.). Supervises and evaluates student activities. Prepares training-related documentation in accordance with program requirements. Maintains effective customer interfaces. Performs other duties as required.

TRAINING SPECIALIST 2

Bachelor's degree with 4 years of experience or 12 years of experience in lieu of education

Performs training needs analysis, planning, design/development, delivery, and evaluation for a variety of training services (such as instructor-based, on-the-job, self-study, Interactive Multimedia/Computer-based Training, etc.). Supervises and evaluates student activities. Prepares training-related documentation in accordance with program requirements. Maintains effective customer interfaces. Provides training consultation to customers, including analysis of training needs/requirements and the recommendation/coordination of appropriate training services. Manages all aspects of training projects as assigned by management, including financial, personnel, and material resource management. Substitutes for training management personnel and performs other duties as required. Performs all other duties as assigned.

TRAINING SPECIALIST 3

Bachelor's degree with 6 years of experience or 14 years of experience in lieu of education

Performs training needs analysis, planning, design/development, delivery, and evaluation for a variety of training services (such as instructor-based, on-the-job, self-study, Interactive Multimedia/Computer-based Training, etc.). Supervises and evaluates student activities. Prepares training-related documentation in accordance with program requirements. Maintains effective customer interfaces. Provides training consultation to customers, including analysis of training needs/requirements and the recommendation/coordination of appropriate training services. Manages all aspects of training projects as assigned by management, including financial, personnel, and material resource management. Substitutes for training management personnel and performs other duties as required. Performs all other duties as assigned.

TRAINING SPECIALIST 4

Bachelor's degree with 8 years of experience or 16 years of experience in lieu of education

Performs training needs analysis, planning, design/development, delivery, and evaluation for a variety of training services (such as instructor-based, on-the-job, self-study, Interactive Multimedia/Computer-based Training, etc.). Supervises and evaluates student activities. Prepares training-related documentation in accordance with program requirements. Maintains effective customer interfaces. Provides training consultation to customers, including analysis of training needs/requirements and the recommendation/coordination of appropriate training services. Manages all aspects of training projects as assigned by management, including financial, personnel, and material resource management. Substitutes for training management personnel and performs other duties as required. Performs all other duties as assigned.

TRAINING SPECIALIST 5

Bachelor's degree with 10 years of experience or 18 years of experience in lieu of education

Performs training needs analysis, planning, design/development, delivery, and evaluation for a variety of training services (such as instructor-based, on-the-job, self-study, Interactive Multimedia/Computer-based Training, etc.). Supervises and evaluates student activities. Prepares training-related documentation in accordance with program requirements. Maintains effective customer interfaces. Provides training consultation to customers, including analysis of training

needs/requirements and the recommendation/coordination of appropriate training services. Manages all aspects of training projects as assigned by management, including financial, personnel, and material resource management. Substitutes for training management personnel and performs other duties as required. Performs all other duties as assigned.

SCA CATEGORIES

These category descriptions are consistent with the SCA Directory of Occupations, 5th edition.

DRAFTER 1

This operator prepares drawings or computer models of simple, easily visualized structures, systems, parts or equipment from sketches or marked-up prints, selects appropriate templates/computer programs or uses a compass and other equipment needed to complete assignments. Drawings and models fit familiar patterns and present few technical problems. Supervisor provides detailed instructions on new assignments, gives guidance when questions arise, and reviews completed work for accuracy. Typical assignments include:

- a. Revisions to the original drawings of a plumbing system by increasing pipe diameters.
- b. Drawing from sketches, the building floor plans, determining size, spacing and arrangement of freehand lettering according to scale.
- c. Drawing simple land profiles from predetermined structural dimensions and reduced survey notes.
- d. Tracing river basin maps and enters symbols to denote stream sampling locations, municipal and industrial waste discharges, and water supplies.
- e. Preparing a computer model of a room, building, structure from data, prints, photos.

DRAFTER 2

This operator prepares various drawings computer models of such units as construction projects or parts and assemblies, including various views, sectional profiles, irregular or reverse curves, hidden lines, and small or intricate details. Work requires use of most of the conventional drafting and CAD techniques and a working knowledge of the terms and procedures of the occupation. The Draft/CAD Operator II makes arithmetic computations using standard formulas. Familiar or recurring work is assigned in general terms. Unfamiliar assignments include information on methods, procedures, sources of information, and precedents to follow. Simple revisions to existing drawings or computer models may be assigned with a verbal explanation of the desired results. More complex revisions are produced from sketches, computer models or specifications that clearly depict the desired product.

Typical assignments include:

- a. Preparing several views of a simple gear system from a layout and manual references and obtaining dimensions and tolerances from manuals and by measuring the layout.
- b. Preparing and revising detail and design drawings for such projects as the construction and installation of electrical or electronic equipment, plant wiring, and the manufacture and assembly of printed circuit boards. Drawings typically include details of mountings, frames, guards, or other accessories; conduit layouts; or wiring diagrams indicating transformer sizes, conduit locations and mountings.
- c. Drawing base and elevation views, sections, and details of new bridges or other structures, revising complete sets of roadway drawings for highway construction projects, or preparing block maps, indicating water and sewage line locations.

DRAFTER 3

This operator prepares complete sets of complex drawings or computer models that include multiple views, detail drawings, and assembly drawings. Drawings or models include complex design features that require considerable drafting skill to visualize and portray. Assignments regularly require the use of mathematical formulas to draw land contours or to compute weights, center of gravity, load capacities, dimensions, quantities of material, etc. The Draft/CAD Operator works from sketches, computer models, and verbal information supplied by an engineer, architect, or designer to determine the most appropriate views, detail drawings, and supplementary information needed to complete assignments. This operator selects required information from computer programs, and internet sites, precedents, manufacturers' catalogs, and technical guides. This operator independently resolves most of the problems encountered. Supervisor or design originator may suggest methods of approach or provide advice on unusually difficult problems. Typical assignments include:

a. Prepares complete sets of drawings of test equipment to be manufactured from layouts, models, or sketches. Several cross-sectional and subassembly drawings are required.

From information supplied by the design originator and from technical handbooks and manuals, this operator describes dimensions, tolerances, fits, fabrication techniques, and standard parts to use in manufacturing the equipment.

b. From electronic schematics, information as to maximum size, and manuals giving dimensions of standard parts, determines the arrangement and prepares drawing of printed circuit boards.

c. From precedents, drafting standards, and established practices, prepares final construction drawings for floodgates, navigation locks, dams, bridges, culverts, levees, channel excavations, dikes and berms, prepares boring profiles, typical cross-sections, and land profiles; and delineates related topographical details as required.

d. Prepares final drawings for street paving and widening or for water and sewer lines having complex trunk lines; reduces field notes and calculates true grades. From engineering designs, lays out plan, profile and detail appurtenances required; and notifies supervisor of conflicting details in design.

Excludes drafter performing work of similar difficulty to that described at this level but who provides support for a variety of organizations that have widely differing functions or requirements.

DRAFTER 4

This operator works closely with design originators, preparing drawings or computer models of unusual, complex, or original designs that require a high degree of precision, performs unusually difficult assignments requiring considerable initiative, resourcefulness, and drafting expertise. This incumbent assures that anticipated problems in manufacture, assembly, installation, and operation are resolved by the drawing produced, exercises independent judgment in selecting and interpreting data based on knowledge of the design intent. Although working primarily as a drafter, this worker may occasionally interpret general designs prepared by others to complete minor details, may provide advice and guidance to lower level drafters or serve as coordinator and planner for large and complex drafting projects.

DRAFTER 5

To be covered by these definitions, employees must meet all of the following criteria: Be able to provide semi-professional technical support for engineers working in such areas as research,

design, development, testing, or manufacturing process improvement. Work pertains to electrical, electronic, or mechanical components or equipment. These technicians are required to have some practical knowledge of science or engineering. Some positions may require a practical knowledge of mathematics or computer science. Included are workers who prepare design drawings and assist with the design, evaluation, and/or modification of machinery and equipment.

Excluded are:

- a. Production and maintenance workers, including workers engaged in calibrating, repairing, or maintaining electronic equipment (see Maintenance Electronics Technicians);
- b. Model Makers and other craft workers;
- c. Quality Control Technicians and Testers;
- d. Chemical and other non-engineering laboratory technicians;
- e. Civil Engineering Technicians and Drafters;
- f. Positions (below Level I) which are limited to simple tasks such as: measuring items or regular shapes with a caliper and computing cross-sectional areas; identifying, weighing, and marking easy-to-identify items; or recording simple instrument readings at specified intervals; and engineers required to apply a professional knowledge of engineering theory and principles.

ELECTRONICS TECH MAINTENANCE 1

The Electronics Technician Maintenance I applies basic technical knowledge to perform simple or routine tasks following detailed instructions, performs such tasks as replacing components, wiring circuits, repairing simple electronic equipment; and taking test readings using common instruments such as digital multi-meters, signal generators, semiconductor testers, curve tracers, and oscilloscopes. This person works under close supervision receiving technical guidance from supervisor or higher-level technician. Work is checked frequently for accuracy.

ELECTRONICS TECH MAINTENANCE 2

The Electronics Technician Maintenance II applies basic and some advanced technical knowledge to solve routine problems by interpreting manufacturers' manuals or similar documents. Work requires familiarity with the interrelationships of circuits and judgment in planning work sequence, in selecting tools, testing instruments, and is reviewed for compliance with accepted practices. This technician works under immediate supervision and achieves technical guidance, as required, from supervisor or higher-level technician.

ELECTRONICS TECH MAINTENANCE 3

The Electronics Technician Maintenance III applies advanced technical knowledge to solve complex problems that typically cannot be solved solely by referencing manufacturers' manuals or similar documents. Examples of such problems include determining the location and density of circuitry, evaluating electromagnetic radiation, isolating malfunctions, and incorporating engineering changes. Work typically requires an understanding of the interrelationships of circuits, exercising independent judgment in performing such tasks as making circuit analyses, calculating wave forms, and tracing relationships in signal flow, using complex test instruments such as high frequency pulse generators, frequency synthesizers, distortion analyzers, and complex computer control equipment. Work may be reviewed by supervisor for general compliance with accepted practices. This position may provide technical guidance to lower level

technicians.

FIELD ENGINEERING TECHNICIAN 1

This technician performs simple routine tasks under close supervision or from detailed procedures. Work is checked in progress or on completion. This person performs one or a combination of such typical duties as:

- a. Assembling or installing equipment or parts requiring simple wiring, soldering, or connecting.
- b. Performing simple or routine tasks or tests such as tensile or hardness tests; operating and adjusting simple test equipment; records test data.
- c. Gathering and maintaining specified records of engineering data such as tests, drawings, etc.; performing computations by substituting numbers in specified formulas; plotting data and draws simple curves and graphs.

FIELD ENGINEERING TECHNICIAN 2

The Engineering Technician II performs standardized or prescribed assignments involving a sequence of related operations, follows standard work methods on recurring assignments but receives explicit instructions on unfamiliar assignments. Technical adequacy of routine work is reviewed on completion; non-routine work may be reviewed in progress. This technician performs at this level, one or a combination of such typical duties as:

- a. Following specific instructions, assembles or constructs simple or standard equipment or parts, servicing or repairing simple instruments or equipment;
- b. Conducting a variety of tests using established methods, preparing test specimens, adjusting and operating equipment, recording test data, and pointing out deviations resulting from equipment malfunction or observational errors;
- c. Extracting engineering data from various prescribed but non-standardized sources, processing the data following well-defined methods including elementary algebra and geometry, and presenting the data in prescribed form.

FIELD ENGINEERING TECHNICIAN 3

The Engineering Technician III performs assignments that are not completely standardized or prescribed, selects or adapts standard procedures or equipment, using fully applicable precedents, receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed, performs recurring work independently. Work is reviewed for technical adequacy or conformity with instructions. This technician performs at this level one or a combination of such typical duties as:

- a. Constructing components, subunits, or simple models or adapts standard equipment; may troubleshoot and correct malfunctions;
- b. Following specific layout and scientific diagrams to construct and package simple devices and subunits of equipment.
- c. Conducting various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement, selecting, preparing, and operating standard test equipment and records test data;
- d. Extracting and compiling a variety of engineering data from field notes, manuals, lab reports, etc., processing data, identifying errors or inconsistencies, selecting methods of data presentation.
- e. Assisting in design modification by compiling data related to design, specifications, and

materials that are pertinent to specific items of equipment or component parts; developing information concerning previous operational failures and modifications, and using judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information.

FIELD ENGINEERING TECHNICIAN 4

The Engineering Technician III performs assignments that are not completely standardized or prescribed, selects or adapts standard procedures or equipment, using fully applicable precedents, receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed, performs recurring work independently. Work is reviewed for technical adequacy or conformity with instructions. This technician performs at this level one or a combination of such typical duties as:

- a. Constructing components, subunits, or simple models or adapts standard equipment; may troubleshoot and correct malfunctions;
- b. Following specific layout and scientific diagrams to construct and package simple devices and subunits of equipment.
- c. Conducting various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement, selecting, preparing, and operating standard test equipment and records test data;
- d. Extracting and compiling a variety of engineering data from field notes, manuals, lab reports, etc., processing data, identifying errors or inconsistencies, selecting methods of data presentation.
- e. Assisting in design modification by compiling data related to design, specifications, and materials that are pertinent to specific items of equipment or component parts; developing information concerning previous operational failures and modifications, and using judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information.

LOGISTICS SUPPLY CLERK 1, 2, 3

This position performs limited aspects of technical supply management work (e.g., inventory management, storage management, cataloging, and property utilization) related to depot, local, or other supply activities. Work usually is segregated by commodity area or function, and controlled in terms of difficulty, complexity, or responsibility. Assignments usually relate to stable or standardized segments of technical supply management operations; or to functions or subjects that are narrow in scope or limited in difficulty. The work generally involves individual case problems or supply actions. This work may require consideration of program requirements together with specific variations in or from standardized guidelines. Assignments require:

- (a) a good working knowledge of the governing supply systems, programs, policies, nomenclature, work methods, manuals, or other established guidelines; (b) an understanding of the needs of the organization serviced; and (c) analytical ability to define or recognize the dimension of the problems involved, to collect the necessary data to establish the facts, and take or recommend action based upon application or interpretation of established guidelines.